

**Amendments to the Specification:**

Please replace the Abstract on page 15 with the following amended Abstract:

An embolic coil deployment system for placing a coil at a preselected site within a vessel of the human body. The deployment system includes a heating element at the distal end of a delivery member and a heat responsive coupling for holding the coil during positioning of the coil and ~~activation means~~ the heating element is heated to reduce the strength of the heat responsive coupling for releasing the coil at a desired position within the vessel.